

ABSTRACT

A drill crown (1) used for drilling purposes, especially for rotary percussion drilling of a mouth of a blast furnace. The drill crown (1) consists of a drilling head (4) provided with a plurality of hard material or hard metal inserts (6) and a base body (2) for connection to a drive element etc. in order to drive or impinge upon said drill crown. The hard material or hard metal inserts (6) are received in bores or openings (5) of the drill head (4). According to the invention, at least one hard material or hard metal insert (6) is provided with an at least partially curved or domed surface contour (11) on the end which is received in the drill head (4). Said contour cooperates with a complementary domed or curved surface of the drill head (4) and/or base body (2), whereby the percussive energy required for appropriate drilling power is transmitted in a reliable manner, even when the hard material or hard metal insert (6) is slackened